

REMARKS

The last Office Action of July 18, 2008 has been carefully considered. Reconsideration of the instant application in view of the foregoing amendments and the following remarks is respectfully requested.

Claims 1-8 are pending in the application. Claims 3, 4, 6, 8 have been withdrawn from further consideration. No amendment to the claims or specification has been made. No fee is due.

Claims 1, 2, 5 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Pat. No. 5,294,853 to Schlüter et al. in view of MacDonald et al. "A practical guide to understanding bearing damage related to PWM drives".

Claim 7 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Schlüter et al. and MacDonald et al. in view of U.S. Pat. No. 3,176,286 to Dschen.

Applicant respectfully disagrees with the Examiner's rejection of claim 1 for the following reasons:

As admitted in the office action, Schlüter fails to disclose a capacitor connected between the motor and ground. MacDonald, in Figs. 8a and 8b, shows a motor with capacitors connected in series with inductances in the filter. While MacDonald shows a capacitance connected between the motor and ground, this is not an intentionally placed capacitor, but according to the analysis described with reference to Figs. 5 and 6 of MacDonald represents the stator winding-to-frame capacitance C_{sf} which is a spurious capacitance inherent in the motor design and **NOT** an additional component in the motor, as proposed in the present invention. The stator winding-to-frame capacitance C_{sf} is taken into consideration in MacDonald to analyze the leakage currents which can lead to bearing damage especially in motors operated with PWM at higher frequencies.

For the reasons set forth above, it is applicant's contention that neither Schlüter nor MacDonald, nor a combination thereof teaches or suggests the features of the present invention, as recited in claim 1.

As for the rejection of the dependent claims, these claims depend on claim 1, share its presumably allowable features, and therefore it is respectfully submitted that these claims should also be allowed.

Withdrawal of the rejection of claims 1, 2, 5, 7 under 35 U.S.C. §103(a) and allowance thereof are thus respectfully requested.

Applicant has also carefully scrutinized the further cited prior art and finds it without any relevance to the claims on file. It is thus felt that no specific discussion thereof is necessary.

In view of the above presented remarks and amendments, it is respectfully submitted that all claims on file should be considered patentably differentiated over the art and should be allowed.

Reconsideration and allowance of the present application are respectfully requested.

Should the Examiner consider necessary or desirable any formal changes anywhere in the specification, claims and/or drawing, then it is respectfully requested that such changes be made by Examiner's Amendment, if the Examiner feels this would facilitate passage of the case to issuance. If the Examiner feels that it might be helpful in advancing this case by calling the undersigned, applicant would greatly appreciate such a telephone interview.

Respectfully submitted,

By: 

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